MSN Editorial Index for 1982

Listed are all articles appearing in MICROWAVE SYSTEMS NEWS, Volume 12, January through December 1982, by subject. The key provides information on article type and/or magazine section.

(CF) — Cover Feature
(E) — Euroform
(FN) — Financial news
(IO) — Inside/Out
(I) — Intelligencer
(IR) — International Report
(LN) — Late Breaking News
(MR) — Microwave Review
(MTT) — Microwave Theory and Techniques Symposium
(PC) — Point/Counterpoint
(PF) — Product Feature
(SF) — Special Feature
(SR) — Staff Report
(TA) — Technical Article
(WW) — Washington Window

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State-of-the-Art 18 → 40 GHz
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K750B	18 -26.5	WR42	UG595/U	30	1.2	1.15
U750C	26.5-40	WR28	UG599/U	25	1.2	1.25
DE750A	18 -40	WRD180C24	MDF180B	20	1.2 [2]	1.40 [3]

[2] 1.5 dB max. 26.5-40 GHz [3] output VSWR is 1.50 max.

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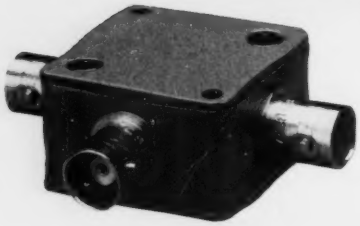

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COUPLING, db 19.5		
INSERTION LOSS, dB	TYP.	MAX.
one octave band edge	0.8	1.4
total range	1.5	2.3
DIRECTIVITY dB	TYP.	MIN.
low range	30	20
mid range	27	20
upper range	22	10
IMPEDANCE	50 ohms	

For complete specifications and performance curves refer to the 1980-1981 Microwaves Product Data Directory, the Goldbook or EEM

"For Mini-Circuits sales and distributors listing see page 82."

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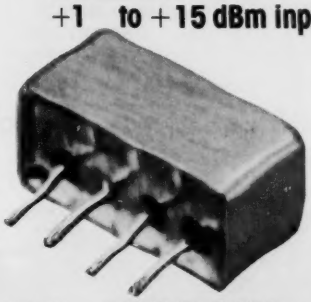

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SK-2 SPECIFICATIONS

FREQUENCY RANGE, (MHz)		
INPUT	1-500	
OUTPUT	*2-1000*	
CONVERSION LOSS, dB	TYP.	MAX.
1-100 MHZ	13	15
100-300 MHz	13.5	15.5
300-500 MHz	14.0	16.5
Spurious Harmonic Output, dB	TYP.	MIN.
2-200 MHz F1	−40	−30
F3	−50	−40
200-600 MHz F1	−25	−20
F3	−40	−30
600-1000 MHz F1	−20	−15
F3	−30	−25

For complete specifications and performance curves refer to the 1980-1981 Microwaves Product Data Directory, the Goldbook or EEM.

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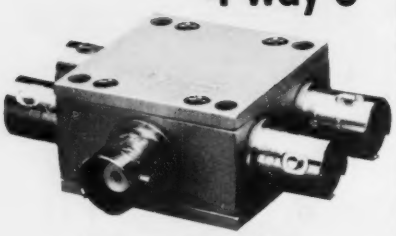

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ZFSC 4-1W SPECIFICATIONS

FREQUENCY (MHz) 10-500		
INSERTION LOSS, dB (above 6 dB) 10-500 MHz	TYP. 0.6	MAX. 1.5
AMPLITUDE UNBAL., dB	0.1	0.2
PHASE UNBAL. (degrees)	1.0	4.0
ISOLATION, dB (adjacent ports)	TYP. 23	MIN. 20
ISOLATION, db (opposite ports)	23	20
IMPEDANCE	50 ohms.	

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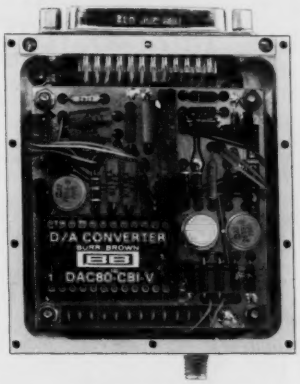

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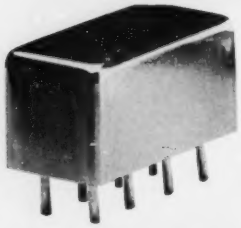

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	LO-IF	47	40
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	LO-IF	46	35
upper range	LO-RF	35	25
	LO-IF	35	25

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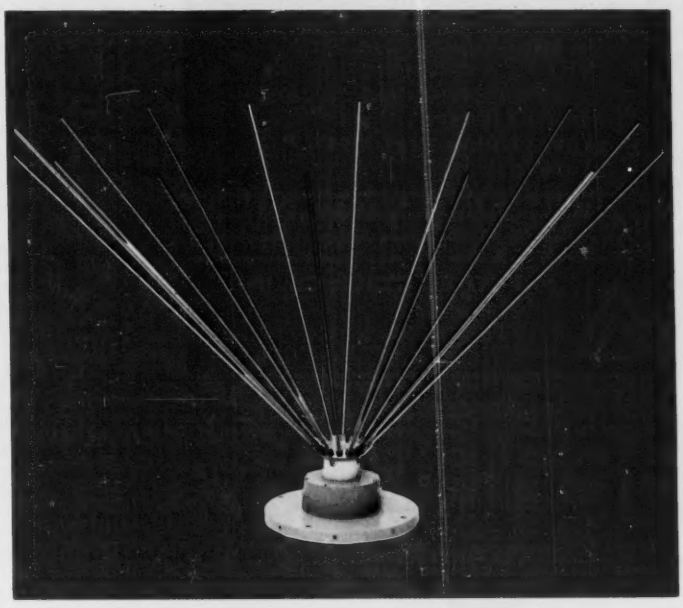

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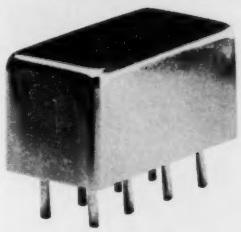

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PAS-3 SPECIFICATIONS

FREQUENCY RANGE, (MHz)		
INPUT	1-200	
CONTROL	DC-0.05	
INSERTION LOSS, dB	TYP.	MAX.
one octave from band edge	1.4	2.0
total range	1.6	2.5
ISOLATION, dB	TYP.	MIN.
1-10 MHz IN-OUT	65	50
IN-CON	35	25
10-100 MHz IN-OUT	45	35
IN-CON	25	15
100-200 MHz IN-OUT	35	25
IN-CON	20	10
IMPEDANCE	50 ohms	

For complete specifications and performance curves refer to the 1980-1981 Microwaves Product Data Directory, the Goldbook or EEM.

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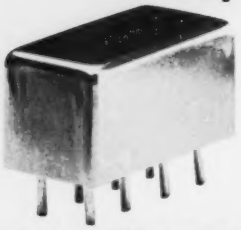

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PSC-2-1 SPECIFICATIONS

FREQUENCY (MHz)	0.1-400	
INSERTION LOSS, above 3dB	TYP.	MAX.
0.1-100 MHz	0.2	0.6
100-200 MHz	0.4	0.75
200-400 MHz	0.6	1.0
ISOLATION, dB	25dB	TYP.
AMPLITUDE UNBAL.	0.2dB	TYP
PHASE UNBAL.	2°	TYP.
IMPEDANCE	50 ohms.	

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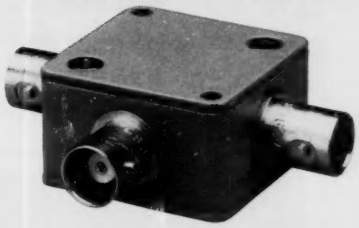

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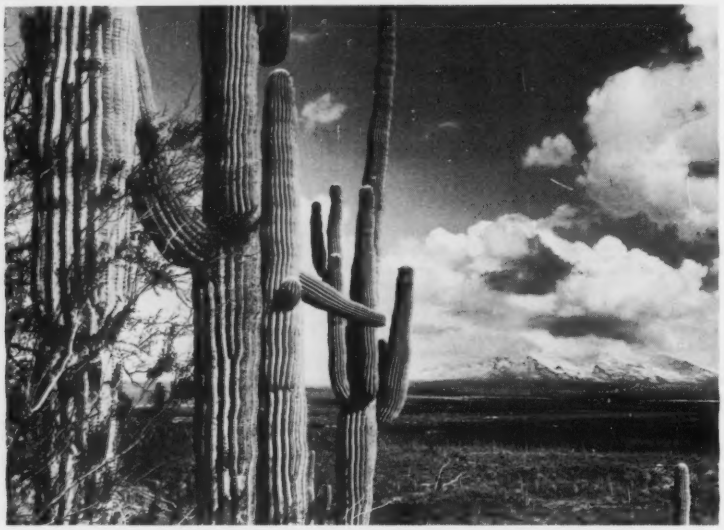

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